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Banyasz et al.

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[54] **METHOD AND APPARATUS FOR DETECTING A MISSING OBJECT IN A SET OF OBJECTS**

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[58] Field of Search ..... 340/673, 674; 324/58 R, 324/58 A, 58.5 A, 58.5 R

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[57] **ABSTRACT**

A millimeter wave detector for detecting missing cigarette packs or other types of objects in a set of objects is provided. The detector uses millimeter wave radiation at about 90 GHz to resolve small features of the objects being scanned. The detector can detect defects or missing packs in configurations that would not be detected by previously known detectors.

20 Claims, 9 Drawing Sheets

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